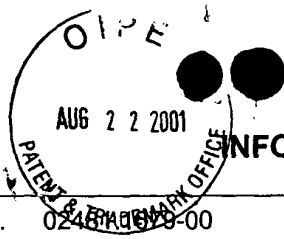


INFORMATION DISCLOSURE CITATION
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Atty. Docket No. 2481.1679-00		Serial No. 09/627,787				
Applicant Eugen UHLMANN et al.						
Filing Date July 27, 2000		Group: 1702				
U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Applicable
PS	6,033,909	03-07-2000	Uhlmann et al.	435	375	DEC 28 2000
FOREIGN PATENT DOCUMENTS						
	Document Number	Date	Country	Class	Sub Class	Translation Yes or N
✓	0 552 766 A2	07-28-93	✓	✓	✓	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
1.	✓	Allyson COLE-STRAUSS, et al., "Correction of the Mutation Responsible for Sickle Cell Anemia by an RNA-DNA Oligonucleotide," Science, Vol. 273, pp. 1386-1389 (1996).				
2.	✓	James C. NORTON, et al., "Inhibition of human telomerase activity by peptide nucleic acids," Nature Biotechnology, Vol. 14, pp. 615-619 (1996).				
3.	✓	C. Frank BENNETT, et al., "Cationic Lipids Enhance Cellular Uptake and Activity of Phosphorothioate Antisense Oligonucleotides," Molecular Pharmacology, Vol. 41, pp. 1023-1033 (1992).				
4.	✓	Pieter BREEUWER, et al., "Characterization of Uptake and Hydrolysis of Fluorescein Diacetate and Carboxyfluorescein Diacetate by Intracellular Esterases in <i>Saccharomyces cerevisiae</i> , Which Result in Accumulation of Fluorescent Product," Applied and Environmental Microbiology, Vol. 61, No. 4, pp. 1614-1619 (1995).				
5.	✓	Radhakrishnan P. IYER, et al., "Bioreversible Oligonucleotide Conjugates by Site-Specific Derivatization," Biorganic & Medicinal Chemistry Letters, Vol. 7, No. 7, pp. 871-876 (1997).				
6.	✓	Clara L. KIELKOPF, et al., "A Structural Basis for Recognition of A • T and T • A Base Pairs in the Minor Groove of B-DNA," Science, Vol. 282, pp. 111-115 (1998).				
7.	✓	Eugen UHLMANN, et al., "Antisense Oligonucleotides: A New Therapeutic Principle," Chemical Reviews, Vol. 90, No. 4, pp. 544-584 (1990).				
8.	✓	Jürg HUNZIKER, et al., "Nucleic Acid Analogues: Synthesis and Properties," <u>Modern Synthetic Methods</u> , Ed. Beat Ernst et al., pp. 333-417 Verlag Helvetica Chimica Acta, Basel (1995).				
9.	✓	Eugene P. STIRCHAK, et al., "Uncharged stereoregular nucleic acid analogs: 2. Morpholino nucleoside oligomers with carbamate internucleoside linkages," Nucleic Acids Research Vol. 17, No. 15, pp. 6129-6141 (1989).				
10.	✓	James SUMMERTON, et al., "Morpholino Antisense Oligomers: Design, Preparation, and Properties," Antisense & Nucleic Acid Drug Development, Vol. 7, pp. 187-195 (1997).				
11.	✓	Peter E. NIELSEN, et al., "Peptide Nucleic Acid (PNA). A DNA Mimic with a Peptide Backbone," Bioconjugate Chem., Vol. 5, pp. 3-7 (1994).				



OMB No. 0651-0011

INFORMATION DISCLOSURE CITATION

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Atty. Docket No.	02461678-00	Serial No.	09/627,787
Applicant		Eugen UHLMANN <i>et al.</i>	
Filing Date	July 27, 2000	Group:	1632

U.S. PATENT DOCUMENTS


Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
✓	1	6,184,379 B1	February 6, 2001	Josel, <i>et al.</i>	546	48	

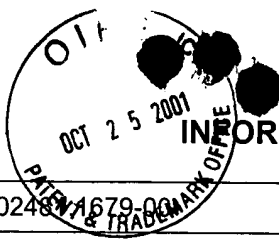
FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation Yes or No
✓	2	EP 0 962 497 A1	December 8, 1999	EPO	C-09-B	11/24	No
✓	3	WO 95/06659	March 9, 1995	PCT	C-07-H	21/00	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	4	Dieter Starke, <i>et al.</i> "Bile Acid-Oligodeoxynucleotide Conjugates: Synthesis and Liver Excretion in Rats" <i>Bioorganic & Medicinal Chemistry Letters</i> 11:945-949 (2001)
✓	5	Neil A. Whittemore, <i>et al.</i> "Synthesis and Electrochemistry of Anthraquinone-Oligodeoxynucleotide Conjugates" <i>Bioconjugate Chem.</i> 10:261-270 (1999)
✓	6	Kenneth R. Luehrsen, <i>et al.</i> "High-density Hapten Labeling and HRP Conjugation of Oligonucleotides for Use as In Situ Hybridization Probes to Detect mRNA Targets in Cells and Tissues" <i>The Journal of Histochemistry & Cytochemistry</i> 48(1):133-145 (2000)
✓	7	Antonina Rait, <i>et al.</i> "3'-End Conjugates of Minimally Phosphorothioate-Protected Oligonucleotides with 1-O-Hexadecylglycerol: Synthesis and Anti-ras Activity in Radiation-Resistant Cells" <i>Bioconjugate Chem.</i> 11(2):153-160 (2000)
✓	8	Muthiah Manoharan "2'-Carbohydrate modifications in antisense oligonucleotide therapy: importance of conformation, configuration and conjugation" <i>Biochimica et Biophysica Acta</i> 1489:117-130 (1999)
✓	9	Thazha P. Prakash, <i>et al.</i> "2'-O-{2-[N,N-(Dialkyl)aminoxy]ethyl}-Modified Antisense Oligonucleotides" <i>Organic Letters</i> 2(25): 3995-3998 (2000)

Examiner		Date Considered	12/20/01
*Examiner:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
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Atty. Docket No.	024877-1679-00	Serial No.	09/627,787
Applicant	Eugen UHLMANN <i>et al.</i>		
Filing Date	July 27, 2000	Group:	1632

U.S. PATENT DOCUMENTS

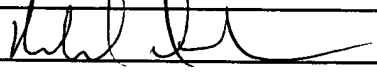
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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

✓	Kenneth R. Luehrsen, <i>et al.</i> "High-density Hapten Labeling and HRP Conjugation of Oligonucleotides for Use as In Situ Hybridization Probes to Detect mRNA Targets in Cells and Tissues" <i>The Journal of Histochemistry & Cytochemistry</i> 48(1):133-145 (2000)

Examiner		Date Considered	12/20/01
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